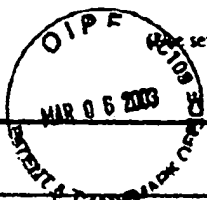


QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>091539,636</u>	Prepared by <u>OK</u>	Tracking Number <u>5961345</u>	
Examiner-GAU <u>Flynn-2826</u>	Date <u>11-3-04</u> 11-20-04	Week Date <u>6/7/04</u>	
	No. of queries <u>2</u>	<u>Re-USC/FW</u>	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE
a. Page Missing	<p>① PTD-1449: Please either initial or line through Citation(s) copy provided for reference.</p> <p>② Countries of Mohammad H.S. Amin and Georgie Rose are missing from the oath/declaration.</p> <p>Please reol re.</p>
b. Text Continuity	
c. Holes through Data	
d. Other Missing Text	
e. Illegible Text	
f. Duplicate Text	
g. Brief Description	
h. Sequence Listing	
i. Appendix	
j. Amendments	
k. Other	
CLAIMS	
a. Claim(s) Missing	
b. Improper Dependency	
c. Duplicate Numbers	
d. Incorrect Numbering	
e. Index Disagrees	
f. Punctuation	
g. Amendments	
h. Bracketing	
i. Missing Text	
j. Duplicate Text	
k. Other	
	<p>Thank you</p> <p>initials <u>US</u></p>
	<p>RESPONSE</p>
	initials

LIST OF REFERENCES CITED BY APPLICANT



(Use several sheets if necessary)

ATTY DOCKET NO.

11090-035-999

APPLICATION NO

09/839,636

APPLICANT

Mohammad Amin

FILING DATE

April 20, 2001

GROUP

2881

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,917,322	6/29/99	Gershenfeld et al.	324	307	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					NO

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Gianni Blatter, Vadim B. Geshkenbein, and Lev B. Ioffe, "Design aspects of superconducting-phase quantum bits", <i>Physical Review B</i> , Vol. 63, 174511, pp. 1-9 (2001).
AD	H.-J. Briegel, W. Dür, J. I. Cirac, and P. Zoller, "Quantum repeaters for communication", <i>ArXiv.org: quant-ph/9803056</i> , pp. 1-8 (1998).
AE	C. Bruder, A. van Otterlo, and G. T. Zimanyi, "Tunnel junctions of unconventional superconductors", <i>Physical Review B</i> , Vol. 51, pp. 12904-12907 (1995).
AF	A. Chrestin, T. Matsuyama, and U. Merkt, "Evidence for a proximity-induced energy gap in Nb/InAs/Nb junctions", <i>Physical Review B</i> , Vol. 55, pp. 8457-8465 (1997).
AG	Aykutlu Däna, Charles Santori, and Yoshihisa Yamamoto, "Electrostatic force spectroscopy of a single InAs quantum dot", <i>ArXiv.org: cond-mat/0103125</i> , pp. 1-5 (2001).
AH	R. Feynman, "Simulating Physics with Computers", <i>International Journal of Theoretical Physics</i> , Vol. 21, pp. 467-488 (1982).
AI	Lov K. Grover, "A fast quantum mechanical algorithm for database search", <i>ArXiv.org: quant-ph/9605043</i> , pp. 1-8 (1996).
AJ	T. F. Havel, S. S. Somaroo, C.-H. Tseng, and D. G. Cory, "Principles and demonstrations of quantum information processing by NMR spectroscopy", <i>ArXiv.org: quant-ph/9812086</i> , pp. 1-42 (1998).
AK	Arne Jacobs, Reiner Kümmel, and Hartmut Plohm, "Proximity Effect, Andreev Reflections, and Charge Transport in Mesoscopic Superconducting-Semiconducting Heterostructures", <i>ArXiv.org: cond-mat/9810343</i> , pp. 1-8, (1998).
AL	Jonathan A. Jones, Michele Mosca, and Rasmus H. Hansen, "Implementation of a quantum search algorithm on a quantum computer", <i>Nature</i> , Vol. 393, pp. 344-346 (1998).
AC	P. Joyez, P. Lafarge, A. Filipe, D. Esteve, and M. H. Devoret, "Observation of Parity-Induced Suppression of Josephson Tunneling in the Superconducting Single Electron Transistor", <i>Physical Review Letters</i> , Vol. 72, pp. 2458-2461 (1994).

AD	A.Yu.Kitaev, "Quantum measurements and the Abelian Stabilizer Problem", <i>ArXiv.org: quant-ph/9511026</i> , pp. 1-22 (1995).
AE	Emanuel Knill, Raymond Laflamme, and Wojciech H. Zurek, "Resilient Quantum Computation", <i>Science</i> , Vol. 279, pp. 342-345 (1998).
AF	Alexander N. Korotkov and Mikko A. Paalanen, "Charge sensitivity of radio frequency single-electron transistor", <i>Applied Physics Letters</i> , Vol. 74, pp. 4052-4054 (1999).
AG	S. G. Lachenmann, I. Friedrich, A. Förster, D. Uhlisch, and A. A. Golubov, "Charge transport in superconductor/semiconductor/ normal-conductor step junctions", <i>Physical Review B</i> , Vol. 56, pp. 108-115 (1997).
AH	J.E. Mooij, T.P. Orlando, L. Levitov, L. Tian, C.H. van der Wal, and S. Lloyd, "Josephson Persistent-Current Qubit", <i>Science</i> , Vol. 285, pp. 1036-1039 (1999).
AJ	Y. Nakamura, Yu. A. Pashkin, and J. S. Tsai, "Coherent control of macroscopic quantum states in a single-Cooper-pair box", <i>Nature</i> , Vol. 398, pp. 786-788 (1999).
AJ	A.N. Omelyanchouk and Malek Zareyan, "Ballistic Four-Terminal Josephson Junction: Bistable States and Magnetic Flux Transfer", <i>ArXiv.org: cond-mat/9905139</i> , pp. 1-17 (1999).
AK	R. de Bruyn Ouboter and A. N. Omelyanchouk, "Macroscopic quantum interference effects in superconducting multiterminal microstructures", <i>Superlattices and Microstructures</i> , Vol. 25, pp. 1005-1017 (1999).
AL	V.V. Ryazanov, V.A. Oboznov, A.Yu. Rusanov, A.V. Veretennikov, A.A. Golubov, and J. Aarts, "Coupling of two superconductors through a ferromagnet: evidence for a π -junction", <i>ArXiv.org: cond-mat/0008364</i> , pp. 1-6 (2000).
AC	R. J. Schoelkopf, P. Wahlgren, A. A. Kozhevnikov, P. Debing, and D. E. Prober, "The Radio-Frequency Single-Electron Transistor (RF-SET): A Fast and Ultrasensitive Electrometer", <i>Science</i> , Vol. 280, pp. 1238-1242 (1998).
AD	R. R. Schulz, B. Chesca, B. Goetz, C. W. Schneider, A. Schmehl, H. Bielefeldt, H. Hilgenkamp, J. Mannhart, and C. C. Tsuei, "Design and realization of an all d-wave dc π -superconducting quantum interference device", <i>Applied Physics Letters</i> , Vol. 76, pp. 912-914 (2000).
AE	P. Shor, "Introduction to Quantum Algorithms" <i>ArXiv.org: quant-ph/0005003</i> , pp. 1-23 (2000).
AF	P. Shor, "Polynomial-Time Algorithms For Prime Factorization And Discrete Logarithms On A Quantum Computer", <i>ArXiv.org: quant-ph/9508027</i> , pp. 1-26 (1995).
AG	P. Shor, "Polynomial-Time Algorithms For Prime Factorization And Discrete Logarithms On A Quantum Computer", <i>SIAM Journal of Scientific and Statistical Computing</i> , Vol. 26, pp. 1484-1509 (1997).
AH	F. Tafuri, F. Carillo, F. Lombardi, F. Miletto Granozio, F. Ricci, U. Scotti di Uccio, A. Barone, G. Testa, E. Sarnelli, and J. R. Kirtley, "Feasibility of biepitaxial YBa ₂ Cu ₃ O _{7-x} Josephson junctions for fundamental studies and potential circuit implementation", <i>Physical Review B</i> , Vol. 62, pp. 431-438 (2000).
AI	L. M. K. Vandersypen, M. Steffen, G. Breyta, C. S. Yannoni, R. Cleve, and I. L. Chuang, "Experimental Realization of an Order-Finding Algorithm with an NMR Quantum Computer", <i>Physical Review Letters</i> , Vol. 25, pp. 5452-5455 (2000).
AJ	B. Vilemings, "The Four-terminal SQUID", Ph.D. Dissertation Leiden University, pp. 1-100 (1998).
AK	A.F. Volkov, and R. Seviour, "Phase coherent effects in multiterminal superconductor/ normal metal mesoscopic structures", <i>ArXiv.org: cond-mat/0003370</i> , pp. 1-6 (2000).
AL	P. D. Ye, L. W. Engel, D. C. Tsui, J. A. Simmons, J. R. Wendt, G. A. Vawter, and J. L. Reno, "High Magnetic Field Microwave Conductivity of 2D Electrons in an Array of Antidots", <i>ArXiv.org: cond-mat/0103127</i> , pp. 1-4 (2001).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPFP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
MAR 12 2003
TECHNOLOGY CENTER 2800